Clinical and Experimental Pharmacology and Physiology (2001) **28**, 1117–1120

AUTHOR INDEX

Abe I 748
Abouazzra HA 300
Abud H 493
Achard J-M 1048
Adachi T 877
Adams DJ 1044
Akahane M 206, 545
Alfaro V 419
Allen A 990
Allen DG 703
Almar M 637
ANBP2 Management Committee 663
Anderson WP 1035
Ang KK 764
Arai M 193
Arakawa T 13
Arefieva TI 804
Arisawa T 9
Armstrong J 249
Arnal J-F 1032
Arnolda LF 764, 768
Arranz CT 528
Asai T 28
Asari T 545
Ashton N 504
Ates N 643
Augustyniak RA 120
Avogaro A 518
Ayer-Le Lièvre C 425
Azizi M 1066

Ba M'hamed S 329
Badoer E 95
Baird R 952
Baker RA 768
Bakkali E-H 1025
Bakker ENTP 873
Balaszczuk AM 528
Balboa MA 351
Balt JC 873
Barrès C 983
Barthelmebs M 212
Baudrie V 1096
Bayard F 1032
Beckinsale P 663
Beilin LJ 1020, 1078
Bennetts JS 768
Bentley KR 402
Bertram D 1112
Bilezikjian LM 244
Bing G 884
Bjorksten AR 25
Blake DW 25
Bleich M 79
Blount AL 244
Blum R 376
Bobalova J 397
Bobrie G 1083
Borgland SL 147
Bourque CW 570
Bousquet P 976
Boutouyrie P 1011
Bowser DN 687
Bradford A 184
Brody MJ 510
Brown L 469
Brunet A 1015
Buller KM 581
Burazin TCD 100
Burgess JK 321
Burke SL 972
Burke V 1078
Bywater RAR 792

Cabot JL 43
Cabot PJ 230
Callaway JK 913
Cameron JD 1104
Camm EJ 931
Campbell DJ 306, 1060
Cano G 115
Card JP 115
Carlsson AR 386
Cernak I 919, 922
Chae I-H 816
Chai C-Y 155
Chalmers JP 971, 1091, 1108
Chambers NJ 386
Chang CK 285
Chang H-T 729
Chaouloff F 1096
Chapleau MW 602
Chapman N 1091, 1108
Chazov EI 804
Chen B-M 842
Chen HI 315
Chen P-C 822
Chen S-Y 155
Chen X 441
Chen X-L 630
Chen Y 244
Cheng J-S 729
Cheng JT 285
Cheng J-T 822
Cheng ZB 721
Cheung BMY 446
Chi TC 285
Chiba S 716
Chigr F 329
Childs GV 249
Choi Y-S 816
Chou K-J 729
Christopoulos A 223
Chung M-H 816
Chung S-H 89
Clarke IJ 106
Cock ML 931
Cole TJ 1040
Collado PS 637
Comte I 425
Connor B 896
Coote JH 1112
Copolov DL 70
Coquard C 212
Corbett KM 43
Corman B 371
Corrigan AZ 244
Corvol P 1056
Costa MA 528
Costentin A 1025
Cottee DB 472
Coulter CL 930, 938
Coupar I 144
Croft KD 1020
Crosbie GV 773
Cuevas MJ 637
Cullen HC 768

Dampney RAL 479
Dandona P 376
Danty E 425
Dart AM 364, 1040
David-Dufilho M 1015
de Souza Neto EP 983
Dean B 70, 74
deKreutzenberg S 518
DeLooze F 663
Denef C 239
Deng H-W 392
Deng H-W 842
Denton KM 836
Denyer G 386
Devynck MA 1015
Disse-Nciodeme S 1048
Dodic M 306, 952
Domergue V 997
Domschke W 463
Doolette DJ 868
Dopheide SM 355
Drzewiecki G 630
Du FY 630
Du X-J 364
Duffull SF 905
Duffy SJ 409
Dumbleton M 184
Duriez M 371
Dwyer T 962

Edgley AJ 1035
Edwards LJ 938
Elghozi J-L 200, 971, 1096

Ellis JA 1053
Enjoji M 522
Erne P 804
Esler M 986
Evans AM 43
Evans RG 479, 836
Ezan E 1066

Farrar NS 386
Fassot C 200
Feldman J 976
Ferguson AV 575
Fernandes DJ 619
Ficai S 1100
Fida R 792
Finlay-Jones JJ 1
Fiquet-Kempf B 1048, 1083
Firestein BL 351
Ford-Perriss M 493
Fornes P 997
Foxon GR 451
Francesconi F 518
Fraser TB 831
Friberg P 200
Fry EJ 253
Fuchs S 1056
Fujimura A 826
Fujiwara H 193
Fujiwara T 193
Funder J 1002

Gamoh S 266
Gao X-M 364
Garnham BG 19
Garty H 79
Gebber GL 113, 125
Germain S 1056
Gervais M 997
Gibbs CL 176
Gibson KJ 942
Gilbey MP 130
Girgis S 1108
Giudicelli J-F 971, 997
Gleave D 663
Goding JW 106
González-Gallego 637
Gordon RD 1087
Goto H 9, 659
Goto Y 28
Gouldsborough I 504
Greenwald SE 948
Gregorian C 351
Grice JE 773
Grima M 212
Grimbaldeston MA 1
Gronczewski J 463
Guerin AP 1074
Guitart R 419
Gunasekera TG 1087
Gundlach AL 100
Gunther RA 472
Gutterman DD 510

Habuchi Y 743
Hagate T 809
Håkansson M-L 610
Halliday GM 64
Halliwell RF 451
Hantzis V 952
Hara K 545
Harding R 931
Harper RW 409
Harrap SB 1053
Harrison GJ 19
Hart PH 1
Hashimoto K 193, 752
Hashimoto M 266, 799
Hashimoto Y 193
Hastings J 986
Hay M 551
Hayakawa T 9, 659
Hayashi I 28
Hayes SG 472
Head GA 972
Headrick JP 19
Henry B 106
Herizi A 1100
Hijii C 188
Hiramori K 877
Hisanaga Y 659
Hishagaki H 28
Hobara N 271
Hockings GI 773
Hodgson JM 1078
Hori M 752
Hosei T 9
Hossain S 266
Howes LG 734
Hu C-P 392
Huang J-K 729
Huang W-C 822
Hübschle T 558
Hughes RJ 351

Iacob M 1025
Iannazzo L 901
Ichikawa K 169
Igjuta M 466
Ikeda K 55
Ilbay G 643
Imahashi K 290, 752
Imbs JL 212
Inada Y 206, 651
Ingert C 212
Inscho EW 331, 332
Insel PA 351
Iqbal J 106
Ishii-Nozawa R 312
Ito H 188, 737
Itoh M 466
Itomine T 271
Iwamoto H 522

Jackson RV 773
Jackson SP 355

Jan C-R 729
Jandhyala BS 433
Jarrott B 402
Jeffery HE 533
Jennings GL 986, 1040
Jeunemaitre X 1048
Jhoo W-K 884
Joannides R 1025
Johnson AK 602
Johnson PRA 233
Johnston GAR 386
Jondeau G 1011
Jou S-B 822
Jover B 1100
Joyce BJ 931
Ju Y-K 703
Julien C 983
Junot C 1066

Kadekaro M 590
Kameo K 809
Kamiya K 659
Kang K-S 884
Kao SJ 315
Karson A 643
Katayama Y 48
Kato M 522
Katsumata T 48
Kawai Y 55
Kawamura M 877
Kawasaki K 799
Kaye D 986
Kedem J 630
Keller-Wood M 459
Kelly JJ 993
Kett MM 1035
Khan J 687
Kiguchi S 169
Kim H-C 884
Kim H-S 816
Kim S-Y 816
Kim W-K 884
Kingwell BA 1040
Kinne RKH 463
Kinoshita M 259
Kiriazis H 176
Kishi T 737
Kita S 540
Kitajima H 809
Kitano A 13
Kitchen AM 120
Kitchener PD 687
Knight JL 768
Ko KH 884
Kobayashi M 721
Kobayashi Y 466
Kojima M 169, 651
Komatsu H 651
Komatsu Y 545
Kondo Y 809
Kotsopoulos D 1104
Koukoulas I 952

Krasnikova TL 804
Kubota Y 799
Kumana CR 446
Kunimoto M 312, 799
Kunzelmann K 79, 857
Kurokawa H 748
Kusuoka H 290, 752
Kuyucak S 89

Lalloue F 425
Laloux B 1011
Lam Y-M 446
Lamarque D 164
Lambert E 200, 364
Lambert G 200, 986
Lambert GW 979
Larm JA 100
Lau C-P 446
Laude D 1096
Launay-Mignot P 1083
Laurent S 1011
Laver DR 675
Laverty R 761
Law Y-P 729
Lay L 25
Leal A 244
Leckie BJ 60
Ledingham JM 761
Lee B-C 884
Lee JJ 285
Lee K-C 729
Lee M-M 816
Lee RP 315
Lerch MM 463
Levy BI 371
Levy-Holzman R 79
Lew RA 836
Li JK-J 630
Li Y-J 392, 842
Li ZY 441
Liang Y-L 1104
Lillo-Lelouet A
Lind L 381
Liu IM 285
London G 1074
Louey S 931
Lu R 392
Ludbrook J 479, 488, 831
Lumbers ER 942
Lynch GS 779

McAllen RM 990
MacDermott M 184
McGrath BP 1104
McGuire M 184
McKelvey GM 533
McKenzie KUS 758
McKinley M 990
McKinley MJ 558
McKitrick DJ 764, 768
MacMahon S 1108
McMillen IC 108, 930, 938
McMurchie M 663
Mall M 857
Mangos GJ 758, 831, 881, 993
Mao S-P 155
Marchais SJ 1074
Marchetti M 528
Martin KF 451
Martyn CN 948
Masumura S 266
Mathai ML 558
Mathonnet M 425
Matsuda A 278, 312
Matsumoto T 13, 259
Matsumura K 748
Matsumura Y 466, 540
Matsuzaki T 271
Mauriz JL 637
May C 990
Medley TL 1040
Meister B 610
Ménard J 1066
Mendelsohn FAO 990
Meredith IT 409
Meyrelles SS 602
Miao C-Y 709
Michel B 212
Miller AM 891
Millgård J 381
Mimran A 1100
Minakawa N 312
Minatoguchi S 193
Mingardi R 518
Misawa K 545
Miura K 748
Miyano H 28
Miyata H 651
Mizoguchi-Miyakita A 28
Mizuno H 799
Mizutani K 55
Momota H 28
Monassier L 976
Mooren FC 463
Morgan T 1070
Mori TA 1078
Morikawa J 743
Moritz K 952
Morley R 962
Moro M 651
Morris BJ 1044
Morrison SF 138
Mousa SA 376
Mowry BJ 66
Murad YZ 510
Murakami M 206
Murakami S 809
Muramatsu H 48
Murphy M 493
Mutafova-Yambolieva VN 397

Nair BA 510
Najimi M 329
Nakae I 259
Nakahashi K 737
Nakamura H 48
Nakamura K 799
Nakamura M 522
Nakamura Y 28
Nakashima Y 522
Nakata H 278, 312
Nakaya Y 441
Nancarrow DJ 66
Nation RL 43
Nawata H 522
Neal B 1108
Nelson M 663
New G 409
Newnham JP 957
Nimmo AJ 919
Nirina LB 212
Nishida Y 193
Nishimura T 290, 752
Nishioka K 188
Nishiyama Y 48
Niwa Y 9, 441, 659
Norman MU 836
Nosaka S 721
Nye EJ 773

O'Brien RC 409
O'Connor C 922
Oda H 809
Odlfield BJ 990
Oga K 28
Ogasawara M 188
Oh B-H 816
Ohmiya N 9, 659
Ohshima A 188
Ohto N 188
Okada N 9
Okamoto H 466
Okui T 540
Okuno S 28
Oldfield BJ 558
O'Leary DS 120
Omura T 259
On Y-K 816
Ono T 28
Orbach P 459
Oshitani N 13
Ostrom RS 351
Otori T 48
Owada M 877
Owens JA 930

Palacios L 419
Panchal RG 687
Pannier BM 1074
Park Y-B 816
Parsons GH 472
Patel A 1108
Patten D 451
Peart JN 19
Peers A 306, 952
Peng J 392

Perry M 145
Petrou S 687
Pfaffendorf M 873
Philippe J 1056
Phillips DIW 967
Phillips PA 764
Phoon S 734
Pinet F 1056
Pitsillides KF 472
Plant DR 779
Plouin P-F 1083
Post EJ 533
Post SR 351
Posterino GS 668
Powell AK 792
Privat C 1015
Provatorov SI 804
Puddey IB 1020, 1078

Qiu X 193

Reid CM 663
Reilly AM 687
Resink TJ 804
Richard D 570
Richard M-O 1025
Richer C 997
Rizvi SI 776
Robinson JS 930
Roca-Acín J 419
Rose'Meyer RB 19
Roudbaraki M 239
Rumantir M 986
Ryan P 663

Safar ME 371
Sahin D 643
Sakanashi Matao 271
Sakanashi Mayuko 271
Samko AN 804
Sass C 1007
Scarr E 70
Schipke JD 647
Schmitz-Spanke S 647
Schofield PR 84
Schreiber R 79
Schwartz J 108, 237
Schwiebert EM 340
Schyvens CG 758, 993
Scislo TJ 120
Seki S 13
Sharif SI 300
Shehnaz D 351
Shenfield GM 887
Shin E-J 884
Shinomiya H 28
Shinozuka K 312, 799
Sly D 990
Smith AI 836
Sobey C 926
Socratous F 986
Spaan JAE 848, 873
Stainsby GV 25
Stebbing M 1053
Stephenson GMM 692
Stewart AG 619
Stowasser M 783, 1087
Strakosch CR 773
Strindelius LC 43
Struthers AD 219
Su D-F 709
Su W 729
Sugimoto K 826
Sugimoto R 522
Summy-Long JY 590
Suto F 743
Suzuki M 28
Suzuki T 193
Sved AF 115
Symonds ME 938

Tachi K 659
Tada S 522
Taguchi Y 716
Takagi T 28
Takahashi M 259
Takaki M 737
Takao K 188
Takaoka M 466
Takata Y 748
Takemura G 193
Takeuchi K 312
Tallam LS 433
Tanaka H 743
Tanaka N 799
Tang K-Y 729
Tanigami A 28
Taniguchi S 737
Tazawa S 206
Terakawa T 752
Terashi A 48
Thuillez C 1025
Tkachuk VA 804
Toda Y 809
Tomobuchi M 13
Torpy DJ 773
Torres B 351
Trabold F 997
Tropeano A-I 1011
Tse H-F 446
Tseng L-L 729
Tsuchiya H 292
Tsujii H 651
Tsuruoka S 826
Tsuzuki M 188
Turner SW 831, 881

Uno Y 193
Upton RN 868

Vale WW 244
van Bael A 239
VanBavel E 848, 873
van der Meulen ET 848
van der Weyden L 1044
Vasquez EC 602
Ventura S 479
Vink R 919, 922
Visvikis S 1007
von zur Mühlen B 381

Waddell TK 1040
Wadsworth RM 891
Wainwright CL 891
Wakitani S 28
Walters MM 773
Wang D 315
Wang J-L 729
Wang N 193
Warth R 79
Washburn DLS 575
Watanabe TK 28
Wesselman JPM 848
White SW 472
Whittle BJR 164
Whitworth JA 470, 758, 773, 831, 881, 993
Williams DA 687
Williams DJ 868
Willis RJ 19
Wilson MF 376
Wing LM 663
Wintour EM 306, 952
Wong ZYH 1053
Wood AKW 533
Wood CE 459

Xang X-P 716
Xing M 351
Xiong Y 842
Xu K-F 619

Yamada H 48
Yamakita T 290
Yamaono S 290
Yamasaki T 28
Yamashita K 193
Yamori Y 55
Yanagawa M 188
Yap CL 355
Yonemori H 48
Yoon J-M 884
Yoshioka J 290, 752
Yoshioka K 278
Young R 856
Yu HJ 285
Yu Z-Y 942
Yuan L-W 842

Zaid MA 776
Zambon AC 351
Zannad F 1007
Zhang Y 758, 993
Zilkens RR 1020

SUBJECT INDEX

absence seizure; adenosine and absence seizures 643
Abstracts
  22nd Annual Scientific Meeting of the High Blood Pressure Research Council of Australia Inc. A1
  IIIrd Franco–Australian Meeting on Hypertension A51
ACE *see* angiotensin-converting enzyme
acetylcholine
  abnormal hippocampal 5-HT in schizophrenia 70
  frontal cortical pathology of schizophrenia 74
acetylcholinesterase; effect of (−)epicatechin on AChE 776
AChE *see* acetylcholinesterase
acoustic startle stimulus; cardiovascular differences among rat strains 1096
AcSDKP *see N*-acetyl-seryl-aspartyl-lysyl-proline
ACTH *see* adrenocorticotrophic hormone
actin; PKC and transmitter release 901
activation heat; activation metabolism in aged rat myocardium 176
activin
  endocrine regulation of intrapituatary interactions 237
  pituitary activins, inhibins and follistatins 244
addiction; opioid receptor desensitization and tolerance 147
adenoma; prevalence of primary aldosteronism 1083
adenosine
  A_1 receptors; NTS purinoceptors and sympathetic responses 120
  A_{2A} receptors; NTS purinoceptors and sympathetic responses 120
  adenosine and absence seizures 643
  caffeine and ischaemia–reperfusion in rat heart 19
  HAK2701 on neurotransmission 312
adenoviral vector; GDNF gene therapy for Parkinson's disease 896
adenovirus
  gene delivery to magnocellular neurons 602
  gene transfer to cells and tissues 687
ADMA *see* N^G,$N^{G'}$-asymmetric dimethylarginine
adrenaline; sympathetic neurobiology in hypertension 986
α-adrenoceptor subtype; α-adrenoceptor of mandibular vasculature 716
α-adrenoceptor; naloxone and hyperglycaemia 300
adrenocorticotrophic hormone
  ACTH-induced hypertension in mice 758
  glucocorticoid-induced hypertension 993
  HPA axis and parturition 108
  neural mechanisms in hypovolaemia 479
  NOS activity in ACTH-induced hypertension 881
  telemetry and ACTH-induced hypertension 831
ADVANCE (Action in Diabetes and Vascular Disease); blood pressure and diabetes 1108
advanced glycation end-products; effects of resveratrol in SHRSP 55
adverse drug reactions; the many interfaces of clinical pharmacology 887
aetiology; prevalence of primary aldosteronism 1083
afferent arterioles; renal microvascular regulation by P2 receptors 332
age
  ADMA and endothelial dysfunction in aged rat 842
  genetics and carotid IMT 1007
  orthostatic renal function and age 877
aged rats; DHA improves learning ability in aged rats 266
ageing
  activation metabolism in aged rat myocardium 176
  ageing and single muscle fibre function 779
  gastric lesions in aged and young rats 659
  GDNF gene therapy for Parkinson's disease 896
  monoamines in aged rats 285
air embolism; cerebral arterial air embolism in sheep 868
airway
  hyperresponsiveness; anti-remodelling drugs for asthma (Brief Review) 619
  remodelling; airway smooth muscle and ECM in asthma 233
  wall remodelling; anti-remodelling drugs for asthma (Brief Review) 619
alcohol; alcohol and endothelial function 1020
aldosterone
  aldosterone excess and cardiovascular disease (Brief Review) 783
  mineralocorticoids and cardiac fibrosis 1002
  NO during hypoadrenocorticism 459
  prevalence of primary aldosteronism 1083
  preventing sudden cardiac death 219
allele; genetics and understanding ion channels 84
Alzheimer's disease; the power of analytical pharmacology 223
amiloride; therapy of the ion transport defect in CF (Brief Review) 857
aminoguanidine; NO in endotoxin lung injury 315
α-amino-3-hydroxy-5-methyl-4-isoxaloe proprionic acid; OVLT regulation of supraoptic neurons 570
amiodarone; ventricular rate control for chronic atrial fibrillation 446
amlodipine; amlodipine and cardiopulmonary performance 25
anaesthesia; neural mechanisms in hypovolaemia 479
analytical pharmacology; the power of analytical pharmacology 223
AngII *see* angiotensin II
angioplasty; monocyte integrins in restenosis 804
angiotensin
  homeostatic pathways of the lamina terminalis 990
  interactions between sodium and angiotensin 1070
angiotensin II
  ACE and reactive oxygen species 212
  AngII and barosensitive RVLM neurons 1112
  AngII in obese Zucker rats 433
  AT_2 receptors in human forearm 734
  membrane properties of SFO neurons 575
angiotensin-converting enzyme; ACE and reactive oxygen species 212
angiotensin-converting enzyme inhibition; ACE inhibition, beta-blocker and carotid artery haemodynamic 1074

angiotensin-converting enzyme inhibitor
ACE and AcSDKP metabolism 1066
arterial remodelling and local pulse pressure 1011
progress in stroke prevention 1091
angiotensinogen; interactions between sodium and angiotensin 1070
animal models; anti-remodelling drugs for asthma (Brief Review) 619
anovulation; endocrinological effects of dopaminergic agonists 653
anti-oxidant
effect of taurine in apoE-deficient mice 809
AM-36: A novel neuroprotective agent 913
vitamin E, simvastatin and endothelial function 409
aorta; ADMA and endothelial dysfunction in aged rat 842
aorta morphogenesis; developmental expression of COX-2 425
aortic depressor nerve; baroreflex inhibition by visual stimulation 721
AP *see* area postrema
apamin; IJP in the mouse colon 792
apoE *see* apolipoprotein E
apolipoprotein E-deficient mice; effect of taurine in apoE-deficient mice 809
apoptosis
AM-36: A novel neuroprotective agent 913
new pharmacotherapies in TBI 919
apyrase; P2Y receptors in MDCK cells 351
arcuate nucleus; leptin receptors in hypothalamus and CVO 610
area postrema
leptin receptors in hypothalamus and CVO 610
role of CVO in activation of the HPA axis 581
subcellular mechanisms of AP activation 551
arg–gly–asp; integrins and EDHF-mediated dilation 873
aromatase; sex, genes and blood pressure 1053
arterial blood pressure; L-arginine and furosemide in expanded rats 528
arterial compliance; large artery stiffness 1040
arterial hypertension
ACE inhibition, beta-blocker and carotid artery haemodynamic 1074
heterogeneity of FHH 1048
arterial pressure
augmentation; factors affecting arterial function 1104
mechanism of 0.4 Hz RSNA oscillations 983
arterial remodelling; arterial remodelling and local pulse pressure 1011
arterial stiffness
arterial diameter in old normotensive rats 371
large artery stiffness 1040
artery; genetics and carotid IMT 1007
artificial lipid bilayer; single-channel recording of RyR 676
asthma
airway smooth muscle and ECM in asthma 233
anti-remodelling drugs for asthma (Brief Review) 619
AT_1 receptor
antagonist; KRH-594 ameliorates organ damage in SHRSP/Izm 206
blockade; RAS in hypertensive sheep 306
AT_2 receptors; AT_2 receptors in human forearm 734
atenolol; ACE inhibition, beta-blocker and carotid artery haemodynamic 1074
atherosclerosis
effect of taurine in apoE-deficient mice 809
vasculoprotective effects of oestrogens 1032
ATP
cell volume regulation by ATP 799
HAK2701 on neurotransmission 312
NTS purinoceptors and sympathetic responses 120
P2Y receptors in MDCK cells 351
purinergic signalling along the nephron 340
renal microvascular regulation by P2 receptors 332
ATP release
NA/ATP cotransmission in mesenteric vessels 397
purinergic signalling along the nephron 340
atrial fibrillation; ventricular rate control for chronic atrial fibrillation 446
atrial natriuretic peptide
nitrate tolerance in monkey coronary arteries 259
OVLT regulation of supraoptic neurons 570
autocrine
pituitary activins; inhibins and follistatins 244
purinergic signalling along the nephron 340
autonomic function; hypothalamic galanin systems 100
autonomic nervous system
specificity of central sympathetic circuits 115
ouabain-induced coronary constriction 510
QT dispersion and dental surgery 748
cardiovascular sympathoinhibitory drugs 976
cardiovascular differences among rat strains 1096
autonomic neurotransmission; NA/ATP cotransmission in mesenteric vessels 397
autoradiography; effects of JTP-2942 in postischaemic brain 48
autoregulation; renal microvascular regulation by P2 receptors 332
axon; CNS regeneration: mission impossible? 253

293B; expression and function of K_vLQT1 79
B-50; PKC and transmitter release 901
β-adrenoceptor blocking activity; β-adrenoceptor blocking activity of nipradilol 271
Barker hypothesis; brain and kidney development 942
baroreceptor reflex
AngII and barosensitive RVLM neurons 1112
control of brown adipose and splanchnic SNA 138
baroreceptors; neural mechanisms in hypovolaemia 479
baroreflex
cardiovascular differences among rat strains 1096
RSNA and HR baroreflexes in hypertension 972
baroreflex vagal bradycardia; baroreflex inhibition by visual stimulation 721
benzimidazol; therapy of the ion transport defect in CF (Brief Review) 857
beta-blocker
ACE inhibition; beta-blocker and carotid artery haemodynamic 1074
arterial remodelling and local pulse pressure 1011
bile acid; epomediol in ethyinyloestradiol-treated rats 637
bioinformatics; microarrays in gene expression studies (Special Technical Review) 321
biostatisticians; statistics in physiology and pharmacology 488
2′,7′-bis-(2-carboxyethyl)-5-(-6)-carbosyfluorescein; non-invasive pancreatic pH measurements (Short Communication) 463

blood flow velocity; cerebral arterial air embolism in sheep 868
blood glucose level; naloxone and hyperglycaemia 300
blood pressure
  ACTH-induced hypertension in mice 758
  alcohol and endothelial function 1020
  arterial remodelling and local pulse pressure 1011
  BPV and organ damage (Brief Review) 709
  cerebral arterial air embolism in sheep 868
  coronary artery baroreceptors 768
  early haemodynamic response to ACTH infusion 773
  fetal nutrition, glucocorticoids and programming 938
  glucocorticoid-induced hypertension 993
  NO during hypoadrenocorticism 459
  NOS activity in ACTH-induced hypertension 881
  NOS inhibition and los-Na diet in GH rats 761
  programming of blood pressure and vascular disease 948
  QT dispersion and dental surgery 748
  renal function in cross-fostered SHR 504
  RSNA and HR baroreflexes in hypertension 972
  telemetry and ACTH-induced hypertension 831
blood pressure lowering
  blood pressure and diabetes 1108
  progress in stroke prevention 1091
blood pressure variability; BPV and organ damage (Brief Review) 709
blood volume regulation; cardiovascular regulation and the PVN 95
blood–brain barrier; leptin receptors in hypothalamus and CVO 610
BMY 7378; β-adrenoceptor of mandibular vasculature 716
Book Review 144
BPV *see* blood pressure variability
bradykinin
  EP 24.15/16 inhibition in hypertension 836
  kallikrein–kinin system in humans 1060
bradykinin receptors; bradykinin responses in human cell lines 402
brain atrophy; neuropathology of schizophrenia 64
brain injury; new pharmacotherapies in TBI 919
brainstem; neural mechanisms in hypovolaemia 479
bronchial blood flow; exercise, integration and disease 472
brown adipose tissue
  specificity of central sympathetic circuits 115
  control of brown adipose and splanchnic SNA 138
Brownian dynamics; Brownian dynamics channel simulations 89

Ca^{+}–H^{+} exchanger; interactions between sodium and angiotensin 1070
Ca^{2+} signalling; fendiline-induced Ca^{2+} mobilization 729
Ca^{2+}-activated K^{+} channels; K_{Ca} opening by *Ginkgo biloba* and ginsenosides 441
cabergoline; endocrinological effects of dopaminergic agonists 653
caffeine; caffeine and ischaemia–reperfusion in rat heart 19
calcitonin gene-related peptide
  CGRP and ischaemic preconditioning 392
  cerebral vasodilatation after SAH 926
calcium; PKC in myogenic calcium–contraction coupling 848
calcium channel blockers; amlodipine and cardiopulmonary performance 25
calcium channels; subcellular mechanisms of AP activation 551
calcium release channel; single-channel recording of RyR 676
calcium sensitivity; PKC in myogenic calcium–contraction coupling 848
calcium signalling; renal microvascular regulation by P2 receptors 332
calphostin C; PKC in myogenic calcium–contraction coupling 848
calsequestrin; single-channel recording of RyR 676
candesartan; AngII in obese Zucker rats 433
candidate genes; genetics and carotid IMT 1007
cannula-inserting method; α-adrenoceptor of mandibular vasculature 716
capnography; cerebral arterial air embolism in sheep 868
captive agonism; the power of analytical pharmacology 223
carbamazepine; oxcarbazepine antinociception in cats 169
cardiac arrhythmias; cardiovascular sympathoinhibitory drugs 976
cardiac death; preventing sudden cardiac death 219
cardiac function
  milrinone on rat cardiac function 737
  role of exogenous endothelin 647
cardiac glycosides; ouabain-induced coronary constriction 510
cardiac hypertrophy
  endothelin blockade in AngII-hypertension 1100
  interactions between sodium and angiotensin 1070
  KRH-594 ameliorates organ damage in SHRSP/Izm 206
cardiac output; cerebral arterial air embolism in sheep 868
cardiac remodelling; RAS and coronary blockade in SHR and CHF rats 997
cardiovascular disease; TNF-α and atherogenic risk factors 188
cardiovascular outcomes; participation of GPs in hypertension trials 663
cardiovascular regulation
  coronary artery baroreceptors 768
  subcellular mechanisms of AP activation 551
carotid; genetics and carotid IMT 1007
carotid artery; arterial remodelling and local pulse pressure 1011
catecholamine
  amlodipine and cardiopulmonary performance 25
  brain noradrenaline and sympathetic function 979
  troglitazone enhances glucose uptake 752
catechol-*O*-methyltransferase; monoamines in aged rats 285
cell acidosis; interactions between sodium and angiotensin 1070
cell calcium; interactions between sodium and angiotensin 1070
cell lines; bradykinin responses in human cell lines 402
central nervous system
  CNS regeneration: mission impossible? 253
  FGF in the developing CNS (Brief Review) 493
  brain noradrenaline and sympathetic function 979
cerebral blood flow; effects of JTP-2942 in postischaemic brain 48
cerebral glucose utilization; effects of JTP-2942 in postischaemic brain 48
cerebral vasospasm; cerebral vasodilatation after SAH 926
cerebrovascular circulation; cerebral arterial air embolism in sheep 868
c-fos; paracrine functions for EGF in the pituitary 249
CF *see* cystic fibrosis
cGMP; cerebral vasodilatation after SAH 926
CGRP *see* calcitonin gene-related peptide
Chang liver; fendiline-induced Ca^{2+} mobilization 729

channelopathy; genetics and understanding ion channels 84
chaperone; therapy of the ion transport defect in CF (Brief Review) 857
CHF *see* coronary heart failure
chloroethylclonidine; α-adrenoceptor of mandibular vasculature 716
cholesterol 7α-hydroxylase; epomediol in ethyinyloestradiol-treated rats 637
chondroitin sulphate; airway smooth muscle and ECM in asthma 233
chronic antigen challenge; anti-remodelling drugs for asthma (Brief Review) 619
cimetidine; renal dysposition of pseudoephedrine 43
circulatory system; role of exogenous endothelin 647
circumventricular organs
  CVO in neuroendocrine responses 590
  leptin receptors in hypothalamus and CVO 610
  membrane properties of SFO neurons 575
  role of CVO in activation of the HPA axis 581
clinical pharmacology; the many interfaces of clinical pharmacology 887
clinical research; participation of GPs in hypertension trials 663
clustering; microarrays in gene expression studies (Special Technical Review) 321
CNS *see* central nervous system
colloid osmotic pressure; orthostatic renal function and age 877
colon
  expression and function of K_vLQT1 79
  IJP in the mouse colon 792
colonic crypts; expression and function of K_vLQT1 79
colonic mucosal blood flow; NOS and colonic blood flow in TNBS colitis 9
communication; the many interfaces of clinical pharmacology 887
complex traits; molecular genetics of schizophrenia 66
computed tomography; prevalence of primary aldosteronism 1083
computer simulations; Brownian dynamics channel simulations 89
confocal microscopy; non-invasive pancreatic pH measurements (Short Communication) 463
congenic; congenic rats for *Dmo1* of the OLETF rat 28
congestive cardiac failure; aldosterone excess and cardiovascular disease (Brief Review) 783
congestive heart failure
  cardiovascular sympathoinhibitory drugs 976
  RAS and coronary blockade in SHR and CHF rats 997
conscious rabbit
  EP 24.15/16 inhibition in hypertension 836
  RSNA and HR baroreflexes in hypertension 972
conscious rat; mechanism of 0.4 Hz RSNA oscillations 983
contraction amplitude; caffeine and ischaemia–reperfusion in rat heart 19
coronary artery baroreceptors; coronary artery baroreceptors 768
coronary artery bypass grafting; coronary artery baroreceptors 768
coronary blood flow; exercise, integration and disease 472
coronary disease; large artery stiffness 1040
coronary vasodilatation reserve; RAS and coronary blockade in SHR and CHF rats 997
corticotropin; early haemodynamic response to ACTH infusion 773
corticotropin-releaseing hormone; HPA axis and parturition 108
cortisol; NO during hypoadrenocorticism 459
cotransmisssion; NA/ATP cotransmission in mesenteric vessels 397
coupled oscillators; differential sympathetic responses 125
COX *see* cyclo-oxygenase
COX-2 *see* cyclo-oxygenase 2
creatinine clearance; orthostatic renal function and age 877
cross-fostering; renal function in cross-fostered SHR 504
cross-over design; design of clinical trials 905
CVO *see* circumventricular organs
cyclic AMP
  expression and function of K_vLQT1 79
  P2Y receptors in MDCK cells 351
cyclic GMP; nitrate tolerance in monkey coronary arteries 259
cyclo-oxygenase; COX-2 following traumatic brain injury 922
cyclo-oxygenase 2 expression; developmental expression of COX-2 425
8-cyclopentyl-1,3-dipropylxanthine; therapy of the ion transport defect in CF (Brief Review) 857
cystic fibrosis; therapy of the ion transport defect in CF (Brief Review) 857
cystic fibrosis transmembrane conductance regulator; therapy of the ion transport defect in CF (Brief Review) 857
cytokine
  the immune system and peripheral nociception 230
  TNF-α and atherogenic risk factors 188
  role of CVO in activation of the HPA axis 581

DA *see* dopamine
damage; CNS regeneration: mission impossible? 253
de-endothelialization; vitamin C on radiation-induced endothelial damage 816
defence-like response; differential sympathetic responses 125
deltametrin; therapy of the ion transport defect in CF (Brief Review) 857
dementia; progress in stroke prevention 1091
denitro nipradilol; β-adrenoceptor blocking activity of nipradilol 271
dental surgery; QT dispersion and dental surgery 748
deoxycorticosterone acetate-salt; proteasome and vascular hypertrophy (Short Communication) 466
desensitization; opioid receptor desensitization and tolerance 147
dexamethasone
  NO in endotoxin lung injury 315
  programming high blood pressure in sheep 352
DHA *see* docosahexaenoic acid
diabetes
  diabetes and upper airway muscle 184
  effect of (−)epicatechin on AChE 776
diabetes mellitus
  blood pressure and diabetes 1108
  enalapril on renal oxidative stress 826
diabetic; CGRP and ischaemic preconditioning 392
diadenosine polyphosphates; renal microvascular regulation by P2 receptors 332
diet; diet and hypertension 1078
differentiation; endocrine regulation of intrapituatary interactions 237

diffuse axonal injury; COX-2 following traumatic brain injury 922
digitalis; ouabain-induced coronary constriction 510
digoxin
  medication and EDV 381
  ventricular rate control for chronic atrial fibrillation 446
dimethylnitrosamine; pirfenidone inhibits hepatic fibrosis 523
disability and dependency; progress in stroke prevention 1091
diuretics; progress in stroke prevention 1091
diurnal cycle; drinking in rats after water deprivation 764
DM *see* dorsomedial medulla
Dmo1; congenic rats for *Dmo1* of the OLETF rat 28
DNA fragmentation; infarct size-reducing effects of T-0970 193
dnalaprilat; medication and EDV 381
dobutamine; cardiac output in mice 364
DOCA-salt hypertensive rats; noradrenaline response and ET-1 540
docosahexaenoic acid; DHA improves learning ability in aged rats 266
dog
  hypervolaemia improves postischaemic myocardium 630
  AngII hypertension and the kidney 1035
dopamine; striatal DA after exposure to magnetic field 884
dopamine D2 receptor agonist; endocrinological effects of dopaminergic agonists 653
dorsomedial medulla; NO effects on DM and RVLM 155
drinking; drinking in rats after water deprivation 764
drug therapy; anti-remodelling drugs for asthma (Brief Review) 619
D-tubocurarine; IJP in the mouse colon 792
dyslipidaemia
  congenic rats for *Dmo1* of the OLETF rat 28
  TNF-α and atherogenic risk factors 188

ECM *see* extracellular matrix
EDHF *see* endothelium-derived hyperpolarizing factor
EDV *see* endothelium-dependent vasodilation
efficiency; hypervolaemia improves postischaemic myocardium 630
EGF *see* epidermal growth factor
elastin; programming of blood pressure and vascular disease 948
electrical stimulation; advances in skinned muscle fibres 668
electrode; role of $\cdot O_2^-$ in endothelial NO release 1015
enalapril; enalapril on renal oxidative stress 826
endothelial cell
  cell volume regulation by ATP 799
  effects of endotoxin on surrogate markers 376
  K_{Ca} opening by *Ginkgo biloba* and ginsenosides 441
  role of $\cdot O_2^-$ in endothelial NO release 1015
endothelial dysfunction
  ADMA and endothelial dysfunction in aged rat 842
  NOS inhibition and los-Na diet in GH rats 761
  preventing sudden cardiac death 219
endothelial function
  alcohol and endothelial function 1020
  vitamin E, simvastatin and endothelial function 409
endothelin
  role of exogenous endothelin 647
  sympathoexciation and subarachnoid bleeding 200
endothelin-1
  noradrenaline response and ET-1 540
  proteasome and vascular hypertrophy (Short Communication) 466
endothelin antagonist; endothelin blockade in AngII-hypertension 1100
endothelin receptors; role of exogenous endothelin 647
endothelium function; arterial diameter in old normotensive rats 371
endothelium-dependent vasodilation
  medication and EDV 381
  vitamin C on radiation-induced endothelial damage 816
endothelium-derived hyperpolarizing factor; integrins and EDHF-mediated dilation 873
endothelium
  medication and EDV 381
  vasculoprotective effects of oestrogens 1032
endotoxin
  effects of endotoxin on surrogate markers 376
  gastric intramucosal $[H^+]$ in endotoxin shock 164
endotoxin shock; NO in endotoxin lung injury 315
end-systolic pressure–volume relationship; milrinone on rat cardiac function 737
enhancer; control of renin expression 1044
environmental factors; genetics and carotid IMT 1007
epicatechin; effect of (−)epicatechin on AChE 776
epidermal growth factor
  endocrine regulation of intrapituatary interactions 237
  pituitary activins, inhibins and follistatins 244
epithelia; purinergic signalling along the nephron 340
epithelial ion transport; expression and function of K_vLQT1 79
epithelial Na^+ channel; therapy of the ion transport defect in CF (Brief Review) 857
epomediol; epomediol in ethyinyloestradiol-treated rats 637
erythrocytes; effect of (−)epicatechin on AChE 776
Escherichia coli lipopolysaccharide; gastric intramucosal $[H^+]$ in endotoxin shock 164
ET-1 *see* endothelin-1
ET_B receptor; noradrenaline response and ET-1 540
ethinyloestradiol; epomediol in ethyinyloestradiol-treated rats 637
excitation; OVLT regulation of supraoptic neurons 570
excitation–contraction coupling; advances in skinned muscle fibres 668
excitatory post-synaptic potential; OVLT regulation of supraoptic neurons 570
exercise test; amlodipine and cardiopulmonary performance 25
exercise-induced asthma; exercise, integration and disease 472
experimental hypertension; telemetry and ACTH-induced hypertension 831
extracellular fluid volume expansion; L-arginine and furosemide in expanded rats 528
extracellular matrix proteins
  airway smooth muscle and ECM in asthma 233
  large artery stiffness 1040

familial; genetics and carotid IMT 1007
familial hyperaldosteronism
  aldosterone excess and cardiovascular disease (Brief Review) 783
  familial hyperaldosteronism 1087
familial hyperkalaemic hypertension; heterogeneity of FHH 1048

fast-twitch; ageing and single muscle fibre function 779
fast-twitch fibre; hybrid skeletal muscle fibres 692
felodipine; NOS inhibition and los-Na diet in GH rats 761
fendiline; fendiline-induced Ca^{2+} mobilization 729
fetal; fetal outcomes and growth restriction 931
fetal growth; programming of blood pressure and vascular disease 948
fetal origins of adult disease; fetal nutrition, glucocorticoids and programming 938
fetus
  brain and kidney development 942
  fetal nutrition, glucocorticoids and programming 938
FGF *see* fibroblast growth factor
FHH *see* familial hyperkalaemic hypertension
fibroblast growth factors; FGF in the developing CNS (Brief Review) 493
fibroblast growth factor receptors; FGF in the developing CNS (Brief Review) 493
fibronectin; airway smooth muscle and ECM in asthma 233
fibrosis; aldosterone excess and cardiovascular disease (Brief Review) 783
flow-mediated dilatation; alcohol and endothelial function 1020
fluorescence polarization; membrane-fluidizing effect of propofol 292
follicle-stimulating hormone; pituitary activins, inhibins and follistatins 244
follistatin
  endocrine regulation of intrapituatary interactions 237
  pituitary activins, inhibins and follistatins 244
food availability; drinking in rats after water deprivation 764
forskolin; activation metabolism in aged rat myocardium 176
fractional excretion of sodium; orthostatic renal function and age 877
free radical scavenger; infarct size-reducing effects of T-0970 193
free radical; PKC and Mn-SOD in glial cells 822
frequency domain; control of brown adipose and splanchnic SNA 138
frontal cortex; frontal cortical pathology of schizophrenia 74
furosemide
  L-arginine and furosemide in expanded rats 528
  medication and EDV 381

Ga1R1/2 receptors; hypothalamic galanin systems 100
GABA; frontal cortical pathology of schizophrenia 74
$GABA_A$ receptor
  allosteric modulation of $GABA_A$ receptor in rat hypothalamus 329
  ventricular rate control for chronic atrial fibrillation 446
GABA inhibition; control of brown adipose and splanchnic SNA 138
β-galactosidase; renin promoter and cell-specific expression 1056
galanin; hypothalamic galanin systems 100
galanin-like peptide; hypothalamic galanin systems 100
gastric mucosal blood flow; gastric lesions in aged and young rats 659
gastro-oesophageal reflux; airway protection in sedated neonatal piglets 533
GDNF *see* glial cell line-derived neurotrophic factor
gender; new pharmacotherapies in TBI 919
gene delivery; gene delivery to magnocellular neurons 602
gene expression; microarrays in gene expression studies (Special Technical Review) 321
gene therapy; GDNF gene therapy for Parkinson's disease 896
gene transfer; gene transfer to cells and tissues 687
General Practitioner recruitment; participation of GPs in hypertension trials 663
genetic analysis; congenic rats for *Dmo1* of the OLETF rat 28
genetic heterogeneity; heterogeneity of FHH 1048
genetically hypertensive rat; NOS inhibition and los-Na diet in GH rats 761
genetics
  familial hyperaldosteronism 1087
  genetics and understanding ion channels 84
  genetics and carotid IMT 1007
  heterogeneity of FHH 1048
genistein; therapy of the ion transport defect in CF (Brief Review) 857
GH rat *see* genetically hypertensive rat
Gingko biloba extract; K_{Ca} opening by *Ginkgo biloba* and ginsenosides 441
ginsenosides; K_{Ca} opening by *Ginkgo biloba* and ginsenosides 441
glial cell; PKC and Mn-SOD in glial cells 822
glial cell line-derived neurotrophic factor; GDNF gene therapy for Parkinson's disease 896
glibenclamide; novel sulphonylthioureas in Zucker rats 386
global hypotheses; statistics in physiology and pharmacology 488
glomerulosclerosis; KRH-594 ameliorates organ damage in SHRSP/Izm 206
glucocorticoid-remediable aldosteronism; familial hyperaldosteronism 1087
glucocorticoid
  programming high blood pressure in sheep 352
  early haemodynamic response to ACTH infusion 773
  fetal nutrition, glucocorticoids and programming 938
  glucocorticoid-induced hypertension 993
  HPA axis and parturition 108
glucose control; blood pressure and diabetes 1107
glucose uptake; troglitazone enhances glucose uptake 752
glutamate
  NO effects on DM and RVLM 155
  OVLT regulation of supraoptic neurons 570
glycine receptor
  genetics and understanding ion channels 84
  ventricular rate control for chronic atrial fibrillation 446
glycoprotein Ib-IX-V; platelet adhesion under flow (Brief Review) 355
gonadotrope
  pituitary activins, inhibins and follistatins 244
  pituitary activins, inhibins and follistatins 244
gonadotrophs; endocrine regulation of intrapituatary interactions 237
GPs *see* general practitioner
green fluorescent protein; gene transfer to cells and tissues 687
growth hormone
  leptin in sheep 106
  paracrine actions of N-terminal POMC fragments 239

H-7; PKC in myogenic calcium–contraction coupling 848

haematocrit; MIGET in rats 419
haematopoiesis; ACE and AcSDKP metabolism 1066
haemodynamics; glucocorticoid-induced hypertension 993
haemorrhage; neural mechanisms in hypovolaemia 479
heart
  CGRP and ischaemic preconditioning 392
  PDE IV and myocardial glucose uptake 290
  sympathetic neurobiology in hypertension 986
heart rate
  caffeine and ischaemia–reperfusion in rat heart 19
  cerebral arterial air embolism in sheep 868
  factors affecting arterial function 1104
  RSNA and HR baroreflexes in hypertension 972
  SR Ca^{2+} release in pacemaker cells 703
height; factors affecting arterial function 1104
hepatic fibrosis; pirfenidone inhibits hepatic fibrosis 523
hepatic stellate cells; pirfenidone inhibits hepatic fibrosis 523
hepatocytes; fendiline-induced Ca^{2+} mobilization 729
hexamethonium; IJP in the mouse colon 792
high-density lipoprotein–cholesterol; alcohol and endothelial function 1020
high-pressure liquid chromatography–electrochemical detection; monoamines in aged rats 285
hippocampal neuron; ventricular rate control for chronic atrial fibrillation 446
hippocampus
  abnormal hippocampal 5-HT in schizophrenia 70
  DHA improves learning ability in aged rats 266
histamine; sunlight, immunosuppression and skin cancer 1
homocysteine; alcohol and endothelial function 1020
hormone release; hypothalamic galanin systems 100
HPA axis *see* hypothalamic–pituitary–adrenal axis
5-HT *see* 5-hydroxytryptamine
5-HT_3 receptors; propofol on neuronal ion channels 451
human airway smooth muscle; airway smooth muscle and ECM in asthma 233
human hypertension; brain noradrenaline and sympathetic function 979
humans; glucocorticoid-induced hypertension 993
hybrid gene; familial hyperaldosteronism 1087
hybridization; microarrays in gene expression studies (Special Technical Review) 321
hydrogen peroxide
  H_2O_2 on rabbit atrial I_{TO} 743
  role of $\cdot O_2^-$ in endothelial NO release 1015
8-hydroxydeoxyguanosine; vitamin C on radiation-induced endothelial damage 816
6-hydroxydopamine; GDNF gene therapy for Parkinson's disease 896
hydroxy-3-methylglutaryl coenzyme A reductase; epomediol in ethyinyloestradiol-treated rats 637
hydroxyl radicals
  ACE and reactive oxygen species 212
  infarct size-reducing effects of T-0970 193
hydroxyproline; pirfenidone inhibits hepatic fibrosis 523
11β-hydroxysteroid dehydrogenase; mineralocorticoids and cardiac fibrosis 1002
5-hydroxytryptamine
  abnormal hippocampal 5-HT in schizophrenia 70
  frontal cortical pathology of schizophrenia 74
  see also serotonin
hyperaldosteronism; prevalence of primary aldosteronism 1083
hypercholesterolaemia; vitamin E, simvastatin and endothelial function 409
hyperekplexia; genetics and understanding ion channels 84
hyperglycaemia
  metabolic control and nitrate metabolism 518
  naloxone and hyperglycaemia 300
hyperosmolality; CVO in neuroendocrine responses 590
hyperoxia; MIGET in rats 419
hyperprolactinaemia; endocrinological effects of dopaminergic agonists 653
hypertension
  ACTH-induced hypertension in mice 758
  aldosterone excess and cardiovascular disease (Brief Review) 783
  arterial remodelling and local pulse pressure 1011
  blood pressure and diabetes 1108
  BPV and organ damage (Brief Review) 709
  cardiovascular sympathoinhibitory drugs 976
  diet and hypertension 1078
  endothelin blockade in AngII-hypertension 1100
  fetal nutrition, glucocorticoids and programming 938
  interactions between sodium and angiotensin 1070
  KRH-594 ameliorates organ damage in SHRSP/Izm 206
  mineralocorticoids and cardiac fibrosis 1002
  NO during hypoadrenocorticism 459
  NOS activity in ACTH-induced hypertension 881
  programming high blood pressure in sheep 352
  progress in stroke prevention 1091
  proteasome and vascular hypertrophy (Short Communication) 466
  RAS and coronary blockade in SHR and CHF rats 997
  RAS in hypertensive sheep 306
  TNF-α and atherogenic risk factors 188
hypertension trials; participation of GPs in hypertension trials 663
hypertrophy; proteasome and vascular hypertrophy (Short Communication) 466
hypervolaemia; hypervolaemia improves postischaemic myocardium 630
hypothalamic paraventricular nucleus; cardiovascular regulation and the PVN 95
hypothalamic–pituitary–adrenal axis
  role of CVO in activation of the HPA axis 581
  HPA axis and parturition 108
hypothalamus
  allosteric modulation of $GABA_A$ receptor in rat hypothalamus 329
  hypothalamic galanin systems 100
  leptin in sheep 106
hypothermia; control of brown adipose and splanchnic SNA 138
hypotonic stress; cell volume regulation by ATP 799
hypovolaemia
  neural mechanisms in hypovolaemia 479
  CVO in neuroendocrine responses 590
hypoxia; MIGET in rats 419
10 Hz rhythm; differential sympathetic responses 125

icatibant; EP 24.15/16 inhibition in hypertension 836
IJP *see* inhibitory junction potential

image analysis; non-invasive pancreatic pH measurements (Short Communication) 463
imidazolines; cardiovascular sympathoinhibitory drugs 976
immune system; vasculoprotective effects of oestrogens 1032
immunocytochemistry; renin promoter and cell-specific expression 1056
immunosuppression
  sunlight, immunosuppression and skin cancer 1
  the immune system and peripheral nociception 230
IMR-90 human lung fibroblast cells; bradykinin responses in human cell lines 402
IMT *see* intima–media thickness
in situ hybridization; developmental expression of COX-2 425
indapamide; progress in stroke prevention 1091
infant; airway protection in sedated neonatal piglets 533
inflammation
  role of CVO in activation of the HPA axis 581
  the immune system and peripheral nociception 230
  TNF-α and atherogenic risk factors 188
inflammatory markers; effects of endotoxin on surrogate markers 376
inhibin; pituitary activins, inhibins and follistatins 244
inhibitory junction potential; IJP in the mouse colon 792
injury; CNS regeneration: mission impossible? 253
inotropic agent; milrinone on rat cardiac function 737
inotropism; role of exogenous endothelin 647
insulin
  effect of (−)epicatechin on AChE 776
  PDE IV and myocardial glucose uptake 290
insulin resistance; TNF-α and atherogenic risk factors 188
INT-407 human colonic epithelial cells; bradykinin responses in human cell lines 402
intermediolateral cell column; cardiovascular regulation and the PVN 95
intima–media thickness; genetics and carotid IMT 1007
intracellular Ca^{2+}
  cell volume regulation by ATP 799
  fendiline-induced Ca^{2+} mobilization 729
  SR Ca^{2+} release in pacemaker cells 703
intracellular pH; non-invasive pancreatic pH measurements (Short Communication) 463
intracellular signalling; platelet adhesion under flow (Brief Review) 355
intramucosal hydrogen ion; gastric intramucosal $[H^+]$ in endotoxin shock 164
intra-uterine growth restriction; fetal outcomes and growth restriction 931
ion channel
  Brownian dynamics channel simulations 89
  membrane properties of SFO neurons 575
ischaemia; gastric intramucosal $[H^+]$ in endotoxin shock 164
ischaemic preconditioning; CGRP and ischaemic preconditioning 392
isoforms; hybrid skeletal muscle fibres 692
isolated perfused pancreas; non-invasive pancreatic pH measurements (Short Communication) 463
isolated systolic hypertension; large artery stiffness 1040
isometric contractions; activation metabolism in aged rat myocardium 176
I_{TO} *see* transient outward current

K^+ channel
  expression and function of K_vLQT1 79
  see also potassium channel
kallidin; kallikrein–kinin system in humans 1060
kallikrein; kallikrein–kinin system in humans 1060
kallikrein–kinin system; RAS and coronary blockade in SHR and CHF rats 997
kallistatin; kallikrein–kinin system in humans 1060
K_{ATP} channel; infarct size-reducing effects of T-0970 193
KcsA channel; Brownian dynamics channel simulations 89
kidney
  AngII hypertension and the kidney 1035
  enalapril on renal oxidative stress 826
  heterogeneity of FHH 1048
  isolated perfused; renal dysposition of pseudoephedrine 43
  morphogenesis; developmental expression of COX-2 425
  purinergic signalling along the nephron 340
  renal function in cross-fostered SHR 504
  renal microvascular regulation by P2 receptors 332
  renin promoter and cell-specific expression 1056
  specificity of central sympathetic circuits 115
  sympathetic neurobiology in hypertension 986
kininogen; kallikrein–kinin system in humans 1060
KRH-594; KRH-594 ameliorates organ damage in SHRSP/Izm 206
K_vLQT1; expression and function of K_vLQT1 79

lactation; CVO in neuroendocrine responses 590
lactotrophs; endocrine regulation of intrapituatary interactions 237
lamina terminalis; lamina terminalis and salivary gland control 558
laminin; airway smooth muscle and ECM in asthma 233
L-arginine
  ADMA and endothelial dysfunction in aged rat 842
  L-arginine and furosemide in expanded rats 528
leptin; leptin in sheep 106
leucocyte
  effects of endotoxin on surrogate markers 376
  inflammation and restenosis 891
  monocyte integrins in restenosis 804
linkage
  genetics and understanding ion channels 84
  (genetics); molecular genetics of schizophrenia 66
lipid; TNF-α and atherogenic risk factors 188
lipid peroxide; DHA improves learning ability in aged rats 266
lipid-lowering; vitamin E, simvastatin and endothelial function 409
lipophilicity; PKC and transmitter release 901
low-Na diet; NOS inhibition and los-Na diet in GH rats 761
luteinizing hormone; leptin in sheep 106
lymphocyte; the immune system and peripheral nociception 230

macroarray; microarrays in gene expression studies (Special Technical Review) 321
macrovascular; blood pressure and diabetes 1108
Madin–Darby canine kidney cells; P2Y receptors in MDCK cells 351
magnetic field; striatal DA after exposure to magnetic field 884
magnetic resonance spectroscopy; PDE IV and myocardial glucose uptake 290

magnocellular neurons; gene delivery to magnocellular neurons 602
magnocellular system; CVO in neuroendocrine responses 590
major coronary events; progress in stroke prevention 1091
malondialdehyde; ADMA and endothelial dysfunction in aged rat 842
mandibular alveolar artery; α-adrenoceptor of mandibular vasculature 716
manganese superoxide dismutase; PKC and Mn-SOD in glial cells 822
Marfan syndrome; arterial remodelling and local pulse pressure 1011
mast cells; sunlight, immunosuppression and skin cancer 1
mathematical modelling; the power of analytical pharmacology 223
matrix metalloproteinases
  airway smooth muscle and ECM in asthma 233
  large artery stiffness 1040
maxillary canine tooth pulp; oxcarbazepine antinociception in cats 169
Mayer waves; mechanism of 0.4 Hz RSNA oscillations 983
mechanically skinned fibres; advances in skinned muscle fibres 668
median eminence; leptin receptors in hypothalamus and CVO 610
median preoptic nucleus; homeostatic pathways of the lamina terminalis 990
melanocortin receptor; paracrine actions of N-terminal POMC fragments 239
membrane characteristics; membrane properties of SFO neurons 575
membrane fluidity; membrane-fluidizing effect of propofol 292
membrane potential; diabetes and upper airway muscle 184
Mendelian inheritance; heterogeneity of FHH 1048
mesenteric artery; NA/ATP cotransmission in mesenteric vessels 397
mesenteric vein; NA/ATP cotransmission in mesenteric vessels 397
metabolic vasodilation; vitamin E, simvastatin and endothelial function 409
metabolism; ACE and AcSDKP metabolism 1066
metalloendopeptidase EC 3.4.24.15; EP 24.15/16 inhibition in hypertension 836
metalloendopeptidase EC 3.4.24.16; EP 24.15/16 inhibition in hypertension 836
metalloendopeptidase inhibitors; EP 24.15/16 inhibition in hypertension 836
metformin; novel sulphonylthioureas in Zucker rats 386
metoprolol; medication and EDV 381
microarray; microarrays in gene expression studies (Special Technical Review) 321
microiontophoresis; AngII and barosensitive RVLM neurons 1112
microphysiometer; bradykinin responses in human cell lines 402
microvascular; blood pressure and diabetes 1108
midbrain periaqueductal grey matter; baroreflex inhibition by visual stimulation 721
middle cerebral artery occlusion
  effects of JTP-2942 in postischaemic brain 48
  AM-36: A novel neuroprotective agent 913
MIGET *see* multiple inert gas elimination technique
mineralocorticoid; glucocorticoid-induced hypertension 993
mineralocorticoid receptors; mineralocorticoids and cardiac fibrosis 1002
minimal group size; statistics in physiology and pharmacology 488
mitosis; endocrine regulation of intrapituatary interactions 237
Mn-SOD *see* manganese superoxide dismutase
molecular genetics; molecular genetics of schizophrenia 66
monkey; nitrate tolerance in monkey coronary arteries 259
monoamine; monoamines in aged rats 285
monoamine oxidase; monoamines in aged rats 285
Monte Carlo simulation; design of clinical trials 905
morphine
  opioid receptor desensitization and tolerance 147
  renal dysposition of pseudoephedrine 43
mouse
  ACTH-induced hypertension in mice 758
  IJP in the mouse colon 792
  vasculoprotective effects of oestrogens 1032
mRNA; PKC and Mn-SOD in glial cells 822
multidisciplinary; the many interfaces of clinical pharmacology 887
multiple comparison procedures; statistics in physiology and pharmacology 488
multiple inert gas elimination technique; MIGET in rats 419
multiple inferences; statistics in physiology and pharmacology 488
muscarinic receptors; the power of analytical pharmacology 223
muscle contraction; ageing and single muscle fibre function 779
myocardial fibrosis; preventing sudden cardiac death 219
myocardial infarction; infarct size-reducing effects of T-0970 193
myogenic response; PKC in myogenic calcium–contraction coupling 848
myosin; hybrid skeletal muscle fibres 692
myosin heavy chain; hybrid skeletal muscle fibres 692
myosin light chains; hybrid skeletal muscle fibres 692
myothermic measurement; activation metabolism in aged rat myocardium 176
myotonia; genetics and understanding ion channels 84

N-acetyl-seryl-aspartyl-lysyl-proline
  ACE and AcSDKP metabolism 1066
  ACE and reactive oxygen species 212
NA *see* noradrenaline
NaCl; interactions between sodium and angiotensin 1070
naloxone; naloxone and hyperglycaemia 300
natriuresis; homeostatic pathways of the lamina terminalis 990
NECA *see N*-ethylcarboxamidoadenosine
neointimal formation; inflammation and restenosis 891
neonate; renal function in cross-fostered SHR 504
nerve; CNS regeneration: mission impossible? 253
nerve growth factor; sympathetic neurobiology in hypertension 986
N-ethylcarboxamidoadenosine binding site; unique NECA binding site in rat brain 278
neural precursor cell proliferation; FGF in the developing CNS (Brief Review) 493
neurodegeneration; GDNF gene therapy for Parkinson's disease 896

neuroeffector transmission; synchronization and sympathetic control 130
neurogenesis; FGF in the developing CNS (Brief Review) 493
neuroimmune; role of CVO in activation of the HPA axis 581
neurological outcome; COX-2 following traumatic brain injury 922
neuropathology; neuropathology of schizophrenia 64
neuropeptide Y; leptin in sheep 106
neuroprotection; AM-36: A novel neuroprotective agent 913
neurotransmission
  subcellular mechanisms of AP activation 551
  synchronization and sympathetic control 130
neurotransmitter; brain noradrenaline and sympathetic function 979
neurotrauma
  COX-2 following traumatic brain injury 922
  new pharmacotherapies in TBI 919
neurotrophic factors; GDNF gene therapy for Parkinson's disease 896
neurotrophism; FGF in the developing CNS (Brief Review) 493
$N^G,N^{G'}$-asymmetric dimethylarginine; ADMA and endothelial dysfunction in aged rat 842
nicotinic acetylcholine receptors; ventricular rate control for chronic atrial fibrillation 446
nimesulide; COX-2 following traumatic brain injury 922
nipradilol; β-adrenoceptor blocking activity of nipradilol 271
nitrate; metabolic control and nitrate metabolism 518
nitric oxide
  ADMA and endothelial dysfunction in aged rat 842
  cerebral vasodilatation after SAH 926
  gastric intramucosal [H^+] in endotoxin shock 164
  glucocorticoid-induced hypertension 993
  K_{Ca} opening by *Ginkgo biloba* and ginsenosides 441
  L-arginine and furosemide in expanded rats 528
  medication and EDV 381
  metabolic control and nitrate metabolism 518
  neural mechanisms in hypovolaemia 479
  nitrate tolerance in monkey coronary arteries 259
  NO effects on DM and RVLM 155
  NO in endotoxin lung injury 315
  NOS activity in ACTH-induced hypertension 881
  role of $\cdot O_2^-$ in endothelial NO release 1015
  sympathoexciation and subarachnoid bleeding 200
nitric oxide synthase
  ADMA and endothelial dysfunction in aged rat 842
  gastric lesions in aged and young rats 659
  inducible; gastric intramucosal [H^+] in endotoxin shock 164
  NO during hypoadrenocorticism 459
  NOS and colonic blood flow in TNBS colitis 9
nitric oxide synthase inhibitor
  gastric intramucosal [H^+] in endotoxin shock 164
  NOS and colonic blood flow in TNBS colitis 9
  NOS inhibition and los-Na diet in GH rats 761
nitrite; metabolic control and nitrate metabolism 518
nitroglycerin; nitrate tolerance in monkey coronary arteries 259
N-methyl-D-aspartate; OVLT regulation of supraoptic neurons 570
NO *see* nitric oxide
nociception; oxcarbazepine antinociception in cats 169
non-insulin-dependent diabetes mellitus; novel sulphonylthioureas in Zucker rats 386
non-linear dynamics; differential sympathetic responses 125
noradrenaline; noradrenaline response and ET-1 540
noradrenaline release
  HAK2701 on neurotransmission 312
  NA/ATP cotransmission in mesenteric vessels 397
normoxia; MIGET in rats 419
NOS *see* Nitric oxide synthase
NTS *see* nucleus tractus solitarius
nucleus tractus solitarius; NTS purinoceptors and sympathetic responses 120

obesity
  leptin in sheep 106
  TNF-α and atherogenic risk factors 188
oestrogen
  sex, genes and blood pressure 1053
  vasculoprotective effects of oestrogens 1032
oestrus cycle
  endocrine regulation of intrapituatary interactions 237
  pituitary activins, inhibins and follistatins 244
old normotensive rats; arterial diameter in old normotensive rats 371
OLETF rat *see* Otsuka Long Evans Tokushima Fatty rat
oligopeptides; ACE and AcSDKP metabolism 1066
opioid receptors; opioid receptor desensitization and tolerance 147
opioid; the immune system and peripheral nociception 230
opioids; neural mechanisms in hypovolaemia 479
optic nerve; ventricular rate control for chronic atrial fibrillation 446
optic tract; baroreflex inhibition by visual stimulation 721
optical isomers; β-adrenoceptor blocking activity of nipradilol 271
optimal design; design of clinical trials 905
organ architecture; non-invasive pancreatic pH measurements (Short Communication) 463
organ damage
  BPV and organ damage (Brief Review) 709
  KRH-594 ameliorates organ damage in SHRSP/Izm 206
organic cation; renal dysposition of pseudoephedrine 43
organum vasculosum lamina terminalis
  OVLT regulation of supraoptic neurons 570
  homeostatic pathways of the lamina terminalis 990
osmoregulation; lamina terminalis and salivary gland control 558
Otsuka Long Evans Tokushima Fatty rat
  congenic rats for *Dmo1* of the OLETF rat 28
  enalapril on renal oxidative stress 826
OVLT *see* organum vasculosum lamina terminalis
oxcarbazepine; oxcarbazepine antinociception in cats 169
oxidation; H_2O_2 on rabbit atrial I_{TO} 743
oxidative stress
  effects of resveratrol in SHRSP 55
  enalapril on renal oxidative stress 826
  vitamin E, simvastatin and endothelial function 409
  vitamin C on radiation-induced endothelial damage 816
oxygen consumption; hypervolaemia improves postischaemic myocardium 630
oxytocin; CVO in neuroendocrine responses 590

P2X receptors
  NTS purinoceptors and sympathetic responses 120

renal microvascular regulation by P2 receptors 332
ventricular rate control for chronic atrial fibrillation 446
P2Y receptors
P2Y receptors in MDCK cells 351
renal microvascular regulation by P2 receptors 332
P3 purinergic receptor; unique NECA binding site in rat brain 278
pacemaker cells; SR Ca^{2+} release in pacemaker cells 703
Page hypertension; EP 24.15/16 inhibition in hypertension 836
pain; the immune system and peripheral nociception 230
paracrine
pituitary activins, inhibins and follistatins 244
purinergic signalling along the nephron 340
paraventricular nuclei
leptin receptors in hypothalamus and CVO 610
HPA axis and parturition 108
Parkinson's disease; GDNF gene therapy for Parkinson's disease 896
parotid gland; effects of pilocarpine on xerostomia 545
pattern coding; synchronization and sympathetic control 130
pattern generation; differential sympathetic responses 125
patterned autonomic responses; NTS purinoceptors and sympathetic responses 120
patterning; FGF in the developing CNS (Brief Review) 493
PD 123319; AT_2 receptors in human forearm 734
PDE *see* phosphodiesterase
peptides; subcellular mechanisms of AP activation 551
peptidyl-dipeptidase A; ACE and AcSDKP metabolism 1066
perinatal effect; striatal DA after exposure to magnetic field 884
perindopril
ACE inhibition, beta-blocker and carotid artery haemodynamic 1074
progress in stroke prevention 1091
periodic paralysis; genetics and understanding ion channels 84
peripheral; the immune system and peripheral nociception 230
perlecan; airway smooth muscle and ECM in asthma 233
permeation theory; Brownian dynamics channel simulations 89
peroxynitrite; role of $\cdot O_2^-$ in endothelial NO release 1015
pH, intramucosal; gastric intramucosal $[H^+]$ in endotoxin shock 164
pharmacokinetics; design of clinical trials 905
pharynx; airway protection in sedated neonatal piglets 533
phase transition; membrane-fluidizing effect of propofol 292
phenotype; molecular genetics of schizophrenia 66
phentolamine; mechanism of 0.4 Hz RSNA oscillations 983
phenylbutyrate; therapy of the ion transport defect in CF (Brief Review) 857
phorbol esters; PKC and transmitter release 901
phosphodiesterase III; milrinone on rat cardiac function 737
phosphodiesterase type V; cerebral vasodilatation after SAH 926
phosphoinositide 3-kinase; troglitazone enhances glucose uptake 752
physiology; gene transfer to cells and tissues 687
physiopathology; cerebral arterial air embolism in sheep 868
phytoestrogen; effects of resveratrol in SHRSP 55
pig coronary artery; β-adrenoceptor blocking activity of nipradilol 271
pilocarpine hydrochloride; effects of pilocarpine on xerostomia 545
pirfenidone; pirfenidone inhibits hepatic fibrosis 523
pituitary
leptin in sheep 106
paracrine actions of N-terminal POMC fragments 239
pituitary activins, inhibins and follistatins 244
pituitary transplant; endocrinological effects of dopaminergic agonists 653
PKC *see* protein kinase C
platelet
effects of endotoxin on surrogate markers 376
monocyte integrins in restenosis 804
platelet adhesion; platelet adhesion under flow (Brief Review) 355
polycystic kidney disease; purinergic signalling along the nephron 340
polymorphism; genetics and carotid IMT 1007
POMC *see* pro-opiomelanocortin
population analysis; design of clinical trials 905
postischaemic myocardium; hypervolaemia improves postischaemic myocardium 630
post-mortem; frontal cortical pathology of schizophrenia 74
postnatal outcomes; fetal outcomes and growth restriction 931
post-transcriptional control; control of renin expression 1044
potassium; heterogeneity of FHH 1048
potassium channel
Brownian dynamics channel simulations 89
cerebral vasodilatation after SAH 926
see also K^+ channel
power; statistics in physiology and pharmacology 488
preglomerular; AngII hypertension and the kidney 1035
pregnancy; CVO in neuroendocrine responses 590
prejunctional purinoceptors; HAK2701 on neurotransmission 312
pressor response; NO effects on DM and RVLM 155
presynaptic inhibition; OVLT regulation of supraoptic neurons 570
preterm birth; fetal outcomes and growth restriction 931
primary aldosteronism
aldosterone excess and cardiovascular disease (Brief Review) 783
familial hyperaldosteronism 1087
programming; programming of blood pressure and vascular disease 948
prolactin; paracrine actions of N-terminal POMC fragments 239
proliferation; pituitary activins, inhibins and follistatins 244
promethazine; airway protection in sedated neonatal piglets 533
promoter
control of renin expression 1044
renin promoter and cell-specific expression 1056
pro-opiomelanocortin
N-terminal; paracrine actions of N-terminal POMC fragments 239
endocrine regulation of intrapituatary interactions 237
HPA axis and parturition 108
prophylactic effect; effects of pilocarpine on xerostomia 545
propofol; membrane-fluidizing effect of propofol 292
proteasome; proteasome and vascular hypertrophy (Short Communication) 466
protein kinase C
infarct size-reducing effects of T-0970 193
noradrenaline response and ET-1 540
H_2O_2 on rabbit atrial I_{TO} 743

PKC and Mn-SOD in glial cells 822
PKC in myogenic calcium–contraction coupling 848
PKC and transmitter release 901
pseudoephedrine; renal disposition of pseudoephedrine 43
pseudohypoaldosteronism; heterogeneity of FHH 1048
pseudorabies virus
lamina terminalis and salivary gland control 558
specificity of central sympathetic circuits 115
psoralen; therapy of the ion transport defect in CF (Brief Review) 857
psychoses; molecular genetics of schizophrenia 66
pulmonary oedema; NO in endotoxin lung injury 315
pulse pressure
ACE inhibition, beta-blocker and carotid artery haemodynamic 1074
arterial remodelling and local pulse pressure 1011
pulse wave velocity
ACE inhibition, beta-blocker and carotid artery haemodynamic 1074
large artery stiffness 1040
factors affecting arterial function 1104
pulsed Doppler flowmeter; exercise, integration and disease 472
pure autonomic failure; sympathetic neurobiology in hypertension 986
purinergic receptor
unique NECA binding site in rat brain 278
P2Y receptors in MDCK cells 351
purinergic signalling along the nephron 340
purinoceptors; renal microvascular regulation by P2 receptors 332
P-values; statistics in physiology and pharmacology 488
PVN *see* paraventricular nuclei

QT dispersion; QT dispersion and dental surgery 748
quantitative trait locus; congenic rats for *Dmo1* of the OLETF rat 28

rabbit
atrial myocyte; H_2O_2 on rabbit atrial I_{TO} 743
ear artery; HAK2701 on neurotransmission 312
naloxone and hyperglycaemia 300
role of exogenous endothelin 647
radial artery; arterial remodelling and local pulse pressure 1011
radiation
effects of pilocarpine on xerostomia 545
vitamin C on radiation-induced endothelial damage 816
radioligand binding; unique NECA binding site in rat brain 278
ramipril; AngII in obese Zucker rats 433
raphe pallidus; control of brown adipose and splanchnic SNA 138
RAS *see* renin–angiotensin system
rat
ADMA and endothelial dysfunction in aged rat 842
AngII and barosensitive RVLM neurons 1112
CGRP and ischaemic preconditioning 392
drinking in rats after water deprivation 764
L-arginine and furosemide in expanded rats 528
AngII hypertension and the kidney 1035
NOS activity in ACTH-induced hypertension 881
telemetry and ACTH-induced hypertension 831
rat brain; unique NECA binding site in rat brain 278
rat heart; caffeine and ischaemia–reperfusion in rat heart 19
rat isolated heart; troglitazone enhances glucose uptake 752
rat mesenteric artery
HAK2701 on neurotransmission 312
noradrenaline response and ET-1 540
integrins and EDHF-mediated dilation 873
receptor; sex, genes and blood pressure 1053
receptor theory; the power of analytical pharmacology 223
recovery; CNS regeneration: mission impossible? 253
red wine; alcohol and endothelial function 1020
5α-reductase; sex, genes and blood pressure 1053
regeneration; CNS regeneration: mission impossible? 253
regional vasodilation; NTS purinoceptors and sympathetic responses 120
regulatory volume decrease; cell volume regulation by ATP 799
remodelling
BPV and organ damage (Brief Review) 709
NOS inhibition and los-Na diet in GH rats 761
renal failure; KRH-594 ameliorates organ damage in SHRSP/Izm 206
renal function
AngII in obese Zucker rats 433
L-arginine and furosemide in expanded rats 528
renal microcirculation; renal microvascular regulation by P2 receptors 332
renal sympathetic nerve activity; mechanism of 0.4 Hz RSNA oscillations 983
renal sympathetic nerves; brain and kidney development 942
renal tubular secretion; renal disposition of pseudoephedrine 43
renal tubulopathy; heterogeneity of FHH 1048
renal vascular resistance; orthostatic renal function and age 877
renin
homeostatic pathways of the lamina terminalis 990
interactions between sodium and angiotensin 1070
prevalence of primary aldosteronism 1083
renin promoter and cell-specific expression 1056
renin gene; control of renin expression 1044
renin gene polymorphism; renin gene promoter in SHR and WKY rats (Short Communication) 60
renin gene promoter; renin gene promoter in SHR and WKY rats (Short Communication) 60
renin mRNA; control of renin expression 1044
renin–angiotensin system
brain and kidney development 942
RAS in hypertensive sheep 306
RAS and coronary blockade in SHR and CHF rats 997
renal function in cross-fostered SHR 504
repair; CNS regeneration: mission impossible? 253
reperfusion injury
H_2O_2 on rabbit atrial I_{TO} 743
infarct size-reducing effects of T-0970 193
resistance arteries; NOS inhibition and los-Na diet in GH rats 761
resonance; mechanism of 0.4 Hz RSNA oscillations 983
restenosis
inflammation and restenosis 891
monocyte integrins in restenosis 804
resveratrol; effects of resveratrol in SHRSP 55
Rho-kinase; noradrenaline response and ET-1 540
rigor force; ageing and single muscle fibre function 779

risk factors
molecular genetics of schizophrenia 66
TNF-α and atherogenic risk factors 188
RNA binding proteins; control of renin expression 1044
rodents; glucocorticoid-induced hypertension 993
rostral ventrolateral medulla
NO effects on DM and RVLM 155
cardiovascular regulation and the PVN 95
control of brown adipose and splanchnic SNA 138
AngII and barosensitive RVLM neurons 1112
RVLM *see* rostral ventrolateral medulla
Ryan–Holm; statistics in physiology and pharmacology 488
ryanodine receptor; single-channel recording of RyR 676
RyR *see* ryanodine receptor

SAH *see* subarachnoid haemorrhage
salivary glands; lamina terminalis and salivary gland control 558
salivary secretion; effects of pilocarpine on xerostomia 545
salt; mineralocorticoids and cardiac fibrosis 1002
salt sensitivity; AngII in obese Zucker rats 433
sarcoplasmic reticulum
hybrid skeletal muscle fibres 692
SR Ca^{2+} release in pacemaker cells 703
schizophrenia
abnormal hippocampal 5-HT in schizophrenia 70
frontal cortical pathology of schizophrenia 74
molecular genetics of schizophrenia 66
neuropathology of schizophrenia 64
serotonin
abnormal hippocampal 5-HT in schizophrenia 70
frontal cortical pathology of schizophrenia 74
neural mechanisms in hypovolaemia 479
see also 5-hydroxytryptamine
sex differences; sex, genes and blood pressure 1053
sex steroids androgen; sex, genes and blood pressure 1053
SFO *see* subfornical organ
sheep
cerebral arterial air embolism in sheep 868
coronary artery baroreceptors 768
programming high blood pressure in sheep 352
RAS in hypertensive sheep 306
shock; gastric intramucosal $[H^+]$ in endotoxin shock 164
SHR *see* spontaneously hypertensive rats
SHRSP *see* stroke-prone spontaneously hypertensive rats
Sindbis virus; gene transfer to cells and tissues 687
single cell reverse transcription–polymerase chain reaction; paracrine actions of N-terminal POMC fragments 239
single fibres; ageing and single muscle fibre function 779
single unit neuronal activity; AngII and barosensitive RVLM neurons 1112
single-channel recording; single-channel recording of RyR 676
sinoaortic denervation; BPV and organ damage (Brief Review) 709
skeletal muscle
advances in skinned muscle fibres 668
hybrid skeletal muscle fibres 692
skin; sunlight, immunosuppression and skin cancer 1
sleep apnoea
airway protection in sedated neonatal piglets 533
diabetes and upper airway muscle 184
slow-twitch
ageing and single muscle fibre function 779
hybrid skeletal muscle fibres 692
Smad; endocrine regulation of intrapituatary interactions 237
small arteries; PKC in myogenic calcium–contraction coupling 848
SNA *see* sympathetic nerve activity
sodium bicarbonate cotransport; interactions between sodium and angiotensin 1070
sodium channels; AM-36: A novel neuroprotective agent 913
sodium dodecyl sulfate–polyacrylamide gel electrophoresis; hybrid skeletal muscle fibres 692
sodium handling; renal function in cross-fostered SHR 504
sodium intake; orthostatic renal function and age 877
sodium/calcium exchange; SR Ca^{2+} release in pacemaker cells 703
sodium–hydrogen exchange; mineralocorticoids and cardiac fibrosis 1002
Software Review 145, 469
soluble adhesion molecules; effects of endotoxin on surrogate markers 376
soluble guanylate cyclase; cerebral vasodilatation after SAH 926
somatostatin; allosteric modulation of $GABA_A$ receptor in rat hypothalamus 329
sonomicrometry; exercise, integration and disease 472
spatial memory; DHA improves learning ability in aged rats 266
spectral analysis
cardiovascular differences among rat strains 1096
mechanism of 0.4 Hz RSNA oscillations 983
sympathoexciation and subarachnoid bleeding 200
spike-wave discharges; adenosine and absence seizures 643
spinal; CNS regeneration: mission impossible? 253
spleen; specificity of central sympathetic circuits 115
spontaneously hypertensive rats
renin gene promoter in SHR and WKY rats (Short Communication) 60
renal function in cross-fostered SHR 504
sprionolactone; preventing sudden cardiac death 219
SR *see* sarcoplasmic reticulum
ST segment depression; exercise, integration and disease 472
statistics software; statistics in physiology and pharmacology 488
staurosporine; PKC in myogenic calcium–contraction coupling 848
stents; monocyte integrins in restenosis 804
sternohyoid; diabetes and upper airway muscle 184
steroids; glucocorticoid-induced hypertension 993
stomach; gastric intramucosal $[H^+]$ in endotoxin shock 164
streptozotocin; diabetes and upper airway muscle 184
stress; allosteric modulation of $GABA_A$ receptor in rat hypothalamus 329
stress ulcer; gastric lesions in aged and young rats 659
striatum; striatal DA after exposure to magnetic field 884
stroke
AM-36: A novel neuroprotective agent 913
progress in stroke prevention 1091
stroke-prone spontaneously hypertensive rats
KRH-594 ameliorates organ damage in SHRSP/Izm 206
effects of resveratrol in SHRSP 55
structure specificity; membrane-fluidizing effect of propofol 292

subarachnoid haemorrhage; cerebral vasodilatation after SAH 926
subfornical organ
gene delivery to magnocellular neurons 602
homeostatic pathways of the lamina terminalis 990
leptin receptors in hypothalamus and CVO 610
membrane properties of SFO neurons 575
Sudden Infant Death syndrome; airway protection in sedated neonatal piglets 533
sulphonylthioureas; novel sulphonylthioureas in Zucker rats 386
summation; synchronization and sympathetic control 130
superior colliculus; baroreflex inhibition by visual stimulation 721
superoxide anion; role of $\cdot O_2^-$ in endothelial NO release 1015
supraoptic nuclei; leptin receptors in hypothalamus and CVO 610
swallowing; airway protection in sedated neonatal piglets 533
sympathetic nerve activity
NTS purinoceptors and sympathetic responses 120
control of brown adipose and splanchnic SNA 138
sympathetic nerve discharge; differential sympathetic responses 125
sympathetic nerve regulation; cardiovascular regulation and the PVN 95
sympathetic nervous system
sympathoexciation and subarachnoid bleeding 200
specificity of central sympathetic circuits 115
NA/ATP cotransmission in mesenteric vessels 397
RSNA and HR baroreflexes in hypertension 972
sympathetic pattern generation; synchronization and sympathetic control 130
sympathetic rhythms; synchronization and sympathetic control 130
sympathoexcitation; brain noradrenaline and sympathetic function 979
synaptic function; synchronization and sympathetic control 130
synaptosomes; PKC and transmitter release 901
synchrony coding; synchronization and sympathetic control 130
syncope; neural mechanisms in hypovolaemia 479
systemic arterial compliance; factors affecting arterial function 1104
systolic pressure–volume area; milrinone on rat cardiac function 737

T-0970; infarct size-reducing effects of T-0970 193
tachykinin; new pharmacotherapies in TBI 919
taurine; effect of taurine in apoE-deficient mice 809
TBI *see* traumatic brain injury
telemetry
ACTH-induced hypertension in mice 758
telemetry and ACTH-induced hypertension 831
therapy; new pharmacotherapies in TBI 919
thermogenesis; control of brown adipose and splanchnic SNA 138
thermoregulation; lamina terminalis and salivary gland control 558
thirst
drinking in rats after water deprivation 764
homeostatic pathways of the lamina terminalis 990
thyrotropin-releasing hormone; effects of JTP-2942 in postischaemic brain 48
tissue-specific inhibitors of metalloproteinases; airway smooth muscle and ECM in asthma 233
TNBS *see* 2,4,6-trinitrobenzene sulphonic acid
TNF-α *see* tumour necrosis factor-α
tolerance; opioid receptor desensitization and tolerance 147
transcription; control of renin expression 1044
transforming growth factor-α; bradykinin responses in human cell lines 402
transforming growth factor-β; pituitary activins, inhibins and follistatins 244
transgenic mice
cardiac output in mice 364
renin promoter and cell-specific expression 1056
transient hypoxia; PKC and Mn-SOD in glial cells 822
transient outward current; H_2O_2 on rabbit atrial I_{TO} 743
transmitter release
hypothalamic galanin systems 100
PKC and transmitter release 901
traumatic brain injury; new pharmacotherapies in TBI 919
trigeminal spinal tract nucleus; oxcarbazepine antinociception in cats 169
2,4,6-trinitrobenzene sulphonic acid colitis; NOS and colonic blood flow in TNBS colitis 9
troglitazone; troglitazone enhances glucose uptake 752
tumour necrosis factor-α; effects of endotoxin on surrogate markers 376
tumour necrosis factor soluble receptor; effects of endotoxin on surrogate markers 376
two-kidney, one-clip hypertension; RSNA and HR baroreflexes in hypertension 972
type 2 diabetes; metabolic control and nitrate metabolism 518
type I collagen; pirfenidone inhibits hepatic fibrosis 523
type I error rate; statistics in physiology and pharmacology 488

ultrasonic flowmetery; cardiac output in mice 364
ultraviolet B light; sunlight, immunosuppression and skin cancer 1
upper airways; diabetes and upper airway muscle 184
UTP; P2Y receptors in MDCK cells 351

vagus nerve; ventricular rate control for chronic atrial fibrillation 446
valsartan; NOS inhibition and los-Na diet in GH rats 761
variability; mechanism of 0.4 Hz RSNA oscillations 983
vascular balloon injury; inflammation and restenosis 891
vascular hypertrophy; arterial remodelling and local pulse pressure 1011
vascular resistance; AngII hypertension and the kidney 1035
vascular responses; AT_2 receptors in human forearm 734
vascular smooth muscle
PKC in myogenic calcium–contraction coupling 848
integrins and EDHF-mediated dilation 873
vascular structure; programming of blood pressure and vascular disease 948
vasoconstriction; control of brown adipose and splanchnic SNA 138
vasodilation; integrins and EDHF-mediated dilation 873
vasomotion; role of exogenous endothelin 647
vasopressin; CVO in neuroendocrine responses 590
vertebral nerve activity NO; effects on DM and RVLM 155
viral tracing; lamina terminalis and salivary gland control 558

vitamin C; vitamin C on radiation-induced endothelial damage 816
voltage-dependent K^+ channel; expression and function of K_vLQT1 79
volume loading; cardiac output in mice 364
von Willebrand factor; platelet adhesion under flow (Brief Review) 355

WAG/Rij rats; adenosine and absence seizures 643
water deprivation; drinking in rats after water deprivation 764
wave reflection; ACE inhibition, beta-blocker and carotid artery haemodynamic 1074
WB-4101
  naloxone and hyperglycaemia 300
  α-adrenoceptor of mandibular vasculature 716
X chromosome; sex, genes and blood pressure 1053
xanomeline; the power of analytical pharmacology 223
xanthine oxidase; preventing sudden cardiac death 219
Xenopus oocytes; expression and function of K_vLQT1 79
xerostomia; effects of pilocarpine on xerostomia 545
X-ray; prevalence of primary aldosteronism 1083

Y chromosome; sex, genes and blood pressure 1053
yohimbine; naloxone and hyperglycaemia 300

ZNF265; control of renin expression 1044
Zucker rats
  AngII in obese Zucker rats 433
  novel sulphonylthioureas in Zucker rats 386